

# ABSTRACT OF THE DISCLOSURE

A radiation image storage panel having a rectangular shape comprises a transparent substrate and a stimulable phosphor layer overlaid on a front surface side of the transparent substrate. The shape of the radiation image storage panel is asymmetric with respect to a center axis of the radiation image storage panel, which center axis extends in an antero-posterior direction of the radiation image storage panel, such that front and back surfaces of the radiation image storage panel can be clearly discriminated from each other.